

PRODUCT DATASHEET CS14143_STRADA-IP-2X6-T3

STRADA-IP-2X6-T3

IESNA Type III (medium) beam for roads that are equal to or wider than mounting height

TECHNICAL SPECIFICATIONS:

Dimensions	71.4 x 173.0 mm
Height	8.5 mm
Fastening	screw
Ingress protection classes	IP67
ROHS compliant	yes 🛈



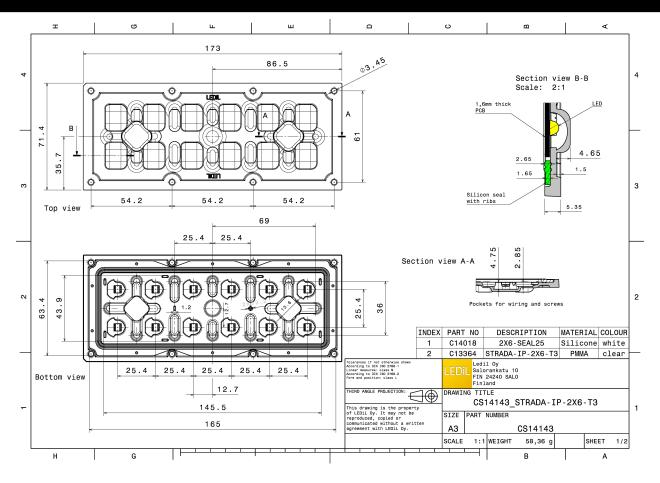
MATERIAL SPECIFICATIONS:

Component	Туре	Material	Colour	Finish
STRADA-IP-2X6-T3	Multi-lens	PMMA	clear	
2X6-SEAL25	Seal	Silicone	white	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CS14143_STRADA-IP-2X6-T3	Multi-lens	120	40	40	7.4
» Box size: 476 x 273 x 247 mm					

PRODUCT DATASHEET CS14143_STRADA-IP-2X6-T3



See also our general installation guide: <u>www.ledil.com/installation_guide</u>



bridgelux.		80°
LED	Bridgelux SMD 5050	
FWHM / FWTM	Asymmetric	730 770
Efficiency	94 %	
Peak intensity	0.5 cd/lm	504 504
LEDs/each optic	1	
Light colour	' White	
		6°. 400 6°.
Required compone	ins.	
		30° 700 30° 30°
		90* 90*
LED	QUICK FLUX 2x6 LED XG xxx G7+	200 200
FWHM / FWTM	Asymmetric	
Efficiency	94 %	504 604
Peak intensity	0.6 cd/lm	30
LEDs/each optic	1	400
Light colour	White	45° 500 43°
Required compone	nts:	
		710
		30° 45 ⁵ 0° 15° 30°
		90* 90*
	QUICK FLUX 2x6 LED XT xxx G5	50° 50°
LED	QUICK FLUX 2x6 LED XT xxx G5 Asymmetric	80°
LED FWHM / FWTM	QUICK FLUX 2x6 LED XT xxx G5 Asymmetric 94 %	97
LED FWHM / FWTM Efficiency	Asymmetric 94 %	90° 90° 75° 000 75° 60° 60°
LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 94 % 0.6 cd/lm	90° 90° 73° 000 79° 64° 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.6 cd/lm 1 White	6 ¹ 6 ¹
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.6 cd/lm 1 White	97 38 61 63 63 64 7 80 7 80 7 80 7 80 7 80 80 80 80 80 80 80 80 80 80 80 80 80
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.6 cd/lm 1 White	9/* 9/* 9/* 9/* 9/* 9/* 9/* 9/*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 94 % 0.6 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 94 % 0.6 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 94 % 0.6 cd/lm 1 White nts: XP-G2	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 94 % 0.6 cd/lm 1 White Ints: XP-G2 Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 94 % 0.6 cd/m 1 White nts: XP-G2 Asymmetric 94 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE (LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 94 % 0.6 cd/lm 1 White nts: XP-G2 Asymmetric 94 % 0.6 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE (LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.6 cd/lm 1 White nts: XP-G2 Asymmetric 94 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE (LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.6 cd/lm 1 White nts: XP-G2 Asymmetric 94 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE (LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.6 cd/lm 1 White nts: XP-G2 Asymmetric 94 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE (LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.6 cd/lm 1 White nts: XP-G2 Asymmetric 94 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE (LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.6 cd/lm 1 White nts: XP-G2 Asymmetric 94 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE (LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.6 cd/lm 1 White nts: XP-G2 Asymmetric 94 % 0.6 cd/lm 1 White	



		90* 90*
LED	XP-G3	
FWHM / FWTM	Asymmetric	25*
Efficiency	94 %	po po
Peak intensity	0.6 cd/lm	60* 66*
LEDs/each optic	1	
Light colour	White	40
Required compone		107 500 107
Required compone	10.	600
		700
		30° 800 30° 30° 30°
	1	99 100 200 200 200 200 200 200 200 200 200
LED	XP-G3	
FWHM / FWTM	Asymmetric	229
Efficiency	94 %	307
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	229
Light colour	White	209
Required compone		
Required compone	115.	10
		80
		22
		50°
LED	– XP-L HD	
FWHM / FWTM	Asymmetric	75* 100 75*
Efficiency	94 %	
Peak intensity	0.6 cd/lm	60° 80°
LEDs/each optic	1	
Light colour	White	
Required compone		10°
Required compone	IIS.	\times
		500
		30° 13 ⁵ 0° 15 ⁺
	1	20°
LED	XP-L2	
FWHM / FWTM	Asymmetric	750 100 752
Efficiency	94 %	
Peak intensity	0.5 cd/lm	60 ⁴ 60 ⁴
LEDs/each optic	1	$ X \times / \top X \times $
Light colour	White	5° 400
Required compone		
	110.	
		700
		30° 15 ⁵ 80 15° 30°



LED	XT-E	90* 91*
FWHM / FWTM	Asymmetric	734 00 774
Efficiency	94 %	
Peak intensity	0.6 cd/lm	60° 60°.
LEDs/each optic	1	
Light colour	White	45° 400 65°
Required compone		
		500
		760
		30° 15° 30°
		90* 90*
LED	XT-E HE	
FWHM / FWTM	Asymmetric	75° 200 200 75°
Efficiency	94 %	
Peak intensity	0.6 cd/lm	50 ⁴ 50 ⁴
LEDs/each optic	1	
Light colour	White	400 400 gr*
Required compone	ints:	
		700
		15 ⁴ 15 ⁴ 0
		90* 90*
	EHP-2x6-IP-3535	<u>8</u> ,*
LED	EHP-2x6-IP-3535 Asymmetric	gr 70
LED FWHM / FWTM	EHP-2x6-IP-3535 Asymmetric 95 %	gi gi
LED FWHM / FWTM Efficiency	Asymmetric	91
LED FWHM / FWTM	Asymmetric 95 %	8°
LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 95 % 0.6 cd/lm	gr 71 60 61 61 60 60 60 60 60 60 60 60 60 60 60 60 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 95 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 95 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 95 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 95 % 0.6 cd/lm 1 White	21 20 20 20 20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 95 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 95 % 0.6 cd/lm 1 White	21 20 20 20 20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 95 % 0.6 cd/lm 1 White ints:	21 20 20 20 20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 95 % 0.6 cd/lm 1 White	21 20 20 20 20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 95 % 0.6 cd/lm 1 White ints: EHP-2x6-IP-5050	21 20 20 20 20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 95 % 0.6 cd/lm 1 White ints: EHP-2x6-IP-5050 Asymmetric	21 20 20 20 20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 95 % 0.6 cd/lm 1 White ints: EHP-2x6-IP-5050 Asymmetric 97 %	21 20 20 20 20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 95 % 0.6 cd/lm 1 White ints: EHP-2x6-IP-5050 Asymmetric 97 % 0.5 cd/lm	21 20 20 20 20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Required compone ELED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 95 % 0.6 cd/lm 1 White ints: EHP-2x6-IP-5050 Asymmetric 97 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone ELECTRID LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 95 % 0.6 cd/lm 1 White ints: EHP-2x6-IP-5050 Asymmetric 97 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone ELECTRID LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 95 % 0.6 cd/lm 1 White ints: EHP-2x6-IP-5050 Asymmetric 97 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone ELED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 95 % 0.6 cd/lm 1 White ints: EHP-2x6-IP-5050 Asymmetric 97 % 0.5 cd/lm 1 White	



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LED	LUXEON 5050 Round LES	
FWHM / FWTM	Asymmetric	25
Efficiency	96 %	SUT TO A CONTRACT OF A CONTRAC
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	451 440
Required compone	ents:	200
		30° 700 10°
	FDS	
		90*
		750 200
FWHM / FWTM	Asymmetric	
Efficiency Book intensity	93 % 0.6 cd/lm	50
Peak intensity		
LEDs/each optic Light colour	1 White	400
Required compone		-d5* - 500
Required compone	ans.	
		700
		30° 13° 000 15°
	.EDS	
LED	LUXEON XR-TX (L2T0-xxyy012M)	
FWHM / FWTM	Asymmetric	780
FWHM / FWTM Efficiency	Asymmetric 94 %	.75 E
Efficiency		50°
	94 %	55° 500 500 500 500 500 500 500 500 500
Efficiency Peak intensity	94 % 0.7 cd/lm	45°
Efficiency Peak intensity LEDs/each optic	94 % 0.7 cd/lm 1 White	92
Efficiency Peak intensity LEDs/each optic Light colour	94 % 0.7 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour	94 % 0.7 cd/lm 1 White	5° 60
Efficiency Peak intensity LEDs/each optic Light colour	94 % 0.7 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required compone	94 % 0.7 cd/lm 1 White ents:	
Efficiency Peak intensity LEDs/each optic Light colour Required compone	94 % 0.7 cd/lm 1 White ents:	
Efficiency Peak intensity LEDs/each optic Light colour	94 % 0.7 cd/lm 1 White ents:	
Efficiency Peak intensity LEDs/each optic Light colour Required compone	94 % 0.7 cd/lm 1 White ents:	60
Efficiency Peak intensity LEDs/each optic Light colour Required compone Composition LUMIL LED FWHM / FWTM Efficiency	94 % 0.7 cd/lm 1 White ents: EDS LUXEON Z ES	
Efficiency Peak intensity LEDs/each optic Light colour Required compone Composition LUMIL Efficiency Peak intensity	94 % 0.7 cd/lm 1 White ents: EDS LUXEON Z ES Asymmetric	
Efficiency Peak intensity LEDs/each optic Light colour Required compone Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition	94 % 0.7 cd/lm 1 White ents: EDS LUXEON Z ES Asymmetric 94 % 0.8 cd/lm 1	
Efficiency Peak intensity LEDs/each optic Light colour Required compone Composition Composition ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	94 % 0.7 cd/lm 1 White ents: EDS LUXEON Z ES Asymmetric 94 % 0.8 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required compone Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition Composition	94 % 0.7 cd/lm 1 White ents: EDS LUXEON Z ES Asymmetric 94 % 0.8 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required compone Composition LUMIL Efficiency Peak intensity LEDs/each optic Light colour	94 % 0.7 cd/lm 1 White ents: EDS LUXEON Z ES Asymmetric 94 % 0.8 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required compone Composition LUMIL Efficiency Peak intensity LEDs/each optic Light colour	94 % 0.7 cd/lm 1 White ents: EDS LUXEON Z ES Asymmetric 94 % 0.8 cd/lm 1 White	



MST Your solu	itions	
LED	RecLED 146x45mm 2900lm 730 STRADA-IP-2x6 G1	Ĩ
FWHM / FWTM	Asymmetric	75°
Efficiency	96 %	
Peak intensity	0.7 cd/lm	504 564
LEDs/each optic	1	***
	ı White	40
Light colour Required compone		d'
Required compone	ents.	
		600
		760
		30° 15° 0° 15° 30'
ØNICHI/		
		20°
	NVSW219F	73
FWHM / FWTM	Asymmetric	
Efficiency	94 %	50° 60°
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	6'
Required compone	ents:	500
		600
		30° 15° 0° 15° 30°
WNICHI	N Contraction of the second seco	
		50° 50°
LED	NVSW319B	
LED FWHM / FWTM	NVSW319B Asymmetric	2°
LED FWHM / FWTM Efficiency	NVSW319B Asymmetric %	9° - 99 72° - 000 52° - 000 60° - 75 000 000 000 000 000 000 000 000 000 0
LED FWHM / FWTM Efficiency Peak intensity	NVSW319B Asymmetric % 0.5 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	NVSW319B Asymmetric % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSW319B Asymmetric % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	NVSW319B Asymmetric % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSW319B Asymmetric % 0.5 cd/lm 1 White	5° 6° 6° 60° 60° 60° 60° 60° 60° 60° 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSW319B Asymmetric % 0.5 cd/lm 1 White	90° 90° 60° 900 900 900 900 900 900 900 900
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSW319B Asymmetric % 0.5 cd/lm 1 White	50 ⁺
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW319B Asymmetric % 0.5 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW319B Asymmetric % 0.5 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW319B Asymmetric % 0.5 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW319B Asymmetric % 0.5 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW319B Asymmetric % 0.5 cd/lm 1 White ents: NVSW3x9A Asymmetric 94 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MICHIA LED FWHM / FWTM Efficiency Peak intensity	NVSW319B Asymmetric % 0.5 cd/lm 1 White ents: NVSW3x9A Asymmetric 94 % 0.6 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MICHI/ LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	NVSW319B Asymmetric % 0.5 cd/lm 1 White ents: NVSW3x9A Asymmetric 94 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MICHI/ LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSW319B Asymmetric % 0.5 cd/lm 1 White ents: NVSW3x9A Asymmetric 94 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MICHI/ LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSW319B Asymmetric % 0.5 cd/lm 1 White ents: NVSW3x9A Asymmetric 94 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW319B Asymmetric % 0.5 cd/lm 1 White ents: NVSW3x9A Asymmetric 94 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MICHI/ LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSW319B Asymmetric % 0.5 cd/lm 1 White ents: NVSW3x9A Asymmetric 94 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MICHIV LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSW319B Asymmetric % 0.5 cd/lm 1 White ents: NVSW3x9A Asymmetric 94 % 0.6 cd/lm 1 White	



ØNICHI		
LED	NVSW519A	
FWHM / FWTM	Asymmetric	130 730
Efficiency	96 %	
Peak intensity	0.5 cd/lm	504 504
LEDs/each optic	1	
Light colour	White	400 45*
Required component		500
		600
		700
		30° 13 ³ 0° 15° 30°
ØNICHI		93* 95*
LED	NVSxx19B/NVSxx19C	
FWHM / FWTM	Asymmetric	730 7 77
Efficiency	94 %	
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	45*
Required compone	nts:	
		710
		30* 800 50*
OSRAM		129 ³ () ⁶ 12 ⁶
OSRAM Opto Semiconductors		15° 0° 15°
LED	Duris S8	
LED FWHM / FWTM	Asymmetric	12 [°] ^{6°} 12 [°] 12 [°]
LED FWHM / FWTM Efficiency	Asymmetric 94 %	
LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 94 % 0.5 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	Asymmetric 94 % 0.5 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	Asymmetric 94 % 0.5 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	Asymmetric 94 % 0.5 cd/lm 1 White hts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	Asymmetric 94 % 0.5 cd/lm 1 White hts: S Fortimo FastFlex LED 2x6 DP G4	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component PHILLEP LED FWHM / FWTM	Asymmetric 94 % 0.5 cd/m 1 White hts: S Fortimo FastFlex LED 2x6 DP G4 Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component PHILLIP LED FWHM / FWTM Efficiency	Asymmetric 94 % 0.5 cd/lm 1 White hts: S Fortimo FastFlex LED 2x6 DP G4 Asymmetric 94 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componed PHILLIC ED FWHM / FWTM Efficiency Peak intensity	Asymmetric 94 % 0.5 cd/m 1 White hts: S Fortimo FastFlex LED 2x6 DP G4 Asymmetric 94 % 0.6 cd/m	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componed PHILLED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.5 cd/m 1 White hts: S Fortimo FastFlex LED 2x6 DP G4 Asymmetric 94 % 0.6 cd/m 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.5 cd/m 1 White hts: S Fortimo FastFlex LED 2x6 DP G4 Asymmetric 94 % 0.6 cd/m 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componed PHILLED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.5 cd/m 1 White hts: S Fortimo FastFlex LED 2x6 DP G4 Asymmetric 94 % 0.6 cd/m 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.5 cd/m 1 White hts: S Fortimo FastFlex LED 2x6 DP G4 Asymmetric 94 % 0.6 cd/m 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component PHILLIP FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.5 cd/m 1 White hts: S Fortimo FastFlex LED 2x6 DP G4 Asymmetric 94 % 0.6 cd/m 1 White	



PHILIP	S	90° 90°
LED	Fortimo FastFlex LED 2x6 DP G5	
FWHM / FWTM	Asymmetric	100 75*
Efficiency	96 %	
Peak intensity	0.6 cd/lm	60°
LEDs/each optic	1	
Light colour	White	45* 400 457
Required compone	nts:	
		500
		600
		30° 30°
PHILIF	20	13' 0" 13'
		90* 90*
	Fortimo FastFlex LED 2x6 DP HE	730 500 780
FWHM / FWTM	Asymmetric	
Efficiency	97 %	50* 20
Peak intensity	0.5 cd/lm	30
LEDs/each optic Light colour	1 White	
Required compone		45° 400 65°
Required compone	115.	50
		X/T/X
		640
		30* <u>15*</u> 80° 13* 30*
PHILIP	S	90* 90*
		50°
LED	Fortimo FastFlex LED 2x6 DPX G4	20- 20- 20- 20- 20- 20- 20- 20- 20- 20-
LED FWHM / FWTM		50° 30° 80° 80° 80° 80° 80° 80° 80° 80° 80° 8
LED FWHM / FWTM Efficiency	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 94 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 94 % 0.6 cd/lm	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
LED FWHM / FWTM Efficiency Peak intensity	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 94 % 0.6 cd/lm 1 White	50 50 50 50 50 50 50 50 50 50 50 50 50 5
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 94 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 94 % 0.6 cd/lm 1 White	97* 78* 79* 79* 79* 79* 79* 79* 79* 79
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 94 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 94 % 0.6 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 94 % 0.6 cd/lm 1 White nts:	50 60 70 70
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 94 % 0.6 cd/lm 1 White nts:	50 00 70 70 70 70 70 70 70 70 7
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 94 % 0.6 cd/lm 1 White Its:	50 60 70 70
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 94 % 0.6 cd/lm 1 White Its:	50 60 70 70
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 94 % 0.6 cd/lm 1 White Ints: HiLOM RH12 (LH351C) Asymmetric	50 60 70 70
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SANSU LED FWHM / FWTM Efficiency Peak intensity	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 94 % 0.6 cd/lm 1 White nts:	50 60 70 70
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SANSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 94 % 0.6 cd/lm 1 White nts:	50 60 70 70
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 94 % 0.6 cd/lm 1 White nts:	50 50 50 50 50 50 50 50 50 50
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SANNSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 94 % 0.6 cd/lm 1 White nts:	50 50 50 50 50 50 50 50 50 50
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SANNSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 94 % 0.6 cd/lm 1 White nts:	50 50 50 50 50 50 50 50 50 50
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x6 DPX G4 Asymmetric 94 % 0.6 cd/lm 1 White nts:	50 50 50 50 50 50 50 50 50 50



CUNUCI	ING	THY KHO
<u>S</u> ΛΜSΙ		90* 90
LED	HiLOM RM12 ZP (LH502C)	750 770 770
FWHM / FWTM	Asymmetric	
Efficiency	96 %	50 ⁴ 60
Peak intensity	0.5 cd/lm	30
LEDs/each optic	1	
Light colour	White	45° 400 45
Required compone	nts.	200
		600
		30* 23 ⁵ 0 ⁶ 15 ⁶ 30'
SAMSI	ING	90*
LED	LH351Z	30. 30
FWHM / FWTM	Asymmetric	25* 00. 75
Efficiency	94 %	
Peak intensity	0.6 cd/lm	605 60
LEDs/each optic	1	
Light colour	White	45* 400 45
Required compone		
		500
		800
		130° 133° 700 15° 30°
SCIO	LUX	90* 90°
LED		
LED	ROY-S26XPL2 (XP-L2)	
	Asymmetric	20 200 70
LED FWHM / FWTM Efficiency		
FWHM / FWTM	Asymmetric	
FWHM / FWTM Efficiency Peak intensity	Asymmetric 94 %	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.5 cd/lm 1 White	
FWHM / FWTM Efficiency	Asymmetric 94 % 0.5 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.5 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.5 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.5 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 94 % 0.5 cd/lm 1 White nts:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.5 cd/lm 1 White nts:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 94 % 0.5 cd/lm 1 White nts: LUX XLE-S22C4XTEHE (XT-E HE)	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 94 % 0.5 cd/lm 1 White nts: LUX XLE-S22C4XTEHE (XT-E HE) Asymmetric	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 94 % 0.5 cd/m 1 White nts: LUX XLE-S22C4XTEHE (XT-E HE) Asymmetric 94 %	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 94 % 0.5 cd/lm 1 White nts: LUX XLE-S22C4XTEHE (XT-E HE) Asymmetric 94 % 0.6 cd/lm	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 94 % 0.5 cd/lm 1 White nts:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 94 % 0.5 cd/lm 1 White nts:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 94 % 0.5 cd/lm 1 White nts:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 94 % 0.5 cd/lm 1 White nts:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 94 % 0.5 cd/lm 1 White nts:	



SCIO	LUX	THY KHI
LED	XLE-S26XHP35 (XHP35 HD)	90* 90
EED FWHM / FWTM	Asymmetric	750 100 75
Efficiency	94 %	
Peak intensity	94 % 0.5 cd/lm	60* 60
LEDs/each optic	1	
LEDS/each optic	v White	400
Required compone		457 500 45
Required compone		
		600
		710
		30° 15 ³ 0 ⁶ 15 ⁴ 30
SEOUL		THY YAT
SEOUL SEMICONDUCTOR		90* 90
LED	2x6 5050 module - SMJD-3625012F-XX	75%
FWHM / FWTM	Asymmetric	
Efficiency	94 %	604 60
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	d5* d5
Required compone	nts:	
		800
		30° 15° 0° 15° 30
SEOUL		
SEOUL SEMICONDUCTOR		90* 90
LED	SMJQ-D36W12Mx	750 750
FWHM / FWTM	Asymmetric	
Efficiency	94 %	60*
Peak intensity	0.7 cd/lm	
LEDs/each optic	1 White	
Light colour Required compone		45* 600 65
Required compone	1.5.	800
		\times / \times /
		1000
		/30° 15 ⁵ 0° 15* 30
SEOUL		THAT YATT
SEOUL SEMICONDUCTOR		90* 90
	SMJQ-D36W12Px	751 200 75
FWHM / FWTM	Asymmetric	
Efficiency	94 %	604 300 60
Peak intensity	0.6 cd/lm	
LEDs/each optic	1 White	XXXX
Light colour Required compone	White	45° 500 45
Required compone	IIS.	000
		710
		30 ¹⁴ 22 ³ 0 ⁴ 22 ⁴ 30



SEOUL		THAY YATT
SEOUL SEMICONDUCTOR	77140	90* 90*
		75* 200 75*
FWHM / FWTM	Asymmetric	
Efficiency	94 % 0.6 cd/lm	dat or
Peak intensity		30
LEDs/each optic	1	400
Light colour	White	45° 5% 65°
Required compone	ns.	
		740
		30° 15 ⁵ 800 15° 30°
SEOUL		
SEOUL SEMICONDUCTOR		
LED	Z8Y22	E00
FWHM / FWTM	Asymmetric	•••
Efficiency	94 %	•••
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	20
Light colour	White	
Required compone	nts:	109-
		109
		ы Д
		-18.4" -112.4" -91.4" -95.4" -92.4" -64." 22.4" -64." -12.4" -1
SEOUL		
SEOUL SEMICONDUCTOR		····
LED	Z8Y22P	
FWHM / FWTM	Asymmetric	
Efficiency	94 %	
Peak intensity	0.6 cd/lm	200
LEDs/each optic	1	····
Light colour	White	
Required compone	nts:	
		100 -
		••••••••••••••••••••••••••••••••••••••
		-18.4" -112.4" -91.4" -91.4" -92.4" -44.4" -44.4" -44.4" -44.4" -44.4" -44.4" -44.4" -44.4" -44.4" -4
		THY YHT
TRIDON		904 90*
LED	RLE 2x6 3000lm HP EXC2 OTD	730 000 700
FWHM / FWTM	Asymmetric	
Efficiency	94 %	60* 60*
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	40
Light colour	White	
Required compone	nts:	
		× + 500
		X X
		30°
		30



		90* A A A A A A A A A A A A A A A A A A A
LED	J Series 5050 Square LES	
FWHM / FWTM	Asymmetric	75* 100 75*
Efficiency	94 %	
Peak intensity	0.5 cd/lm	60° 60°.
LEDs/each optic	1	× + **
Light colour	White	45* 460 30*
Required components:		
		540
		500
		30* <u>15</u> ° 30* 30*
		90* 90*
LED	XHP35 HD	
FWHM / FWTM	Asymmetric	730 730 730
Efficiency	88 %	1 mint
Peak intensity	0.5 cd/lm	60* 60*
LEDs/each optic	1	340
Light colour	White	45* 400 45*
Required components:		
		200
		00
		30* 30*
		132 30 15*
		90° 90
LED	XHP35 HI	- M
FWHM / FWTM	Asymmetric	751 100 770
Efficiency	90 %	
Peak intensity	0.5 cd/lm	60 ⁴ 60 ⁴
LEDs/each optic	1	$X \times / T \setminus X \times$
Light colour	White	45* 400 45*
Required components:		
		600
		30* 700 30*
		90* 90*
LED	XP-G2 HE	M
FWHM / FWTM	Asymmetric	*
Efficiency	92 %	50* 200 50*
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	$X \times / T \setminus X \times$
Light colour	White	45° 400 45°
Required components:		
		X 1 de X
		20* 700 30*
		15° 0° 15°



	5	THA VHIT
		90* 90
LED	LUXEON 3030 2D (Square LES)	736
FWHM / FWTM	Asymmetric	
Efficiency	94 %	
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	40
Light colour	White	45*
Required components:		
		710
		30° 15° 300 30° 30°
)S	90°
LED	LUXEON 5050 Square LES	
FWHM / FWTM	Asymmetric	73.0 100 72
Efficiency	94 %	
Peak intensity	0.5 cd/lm	60*
LEDs/each optic	1	
Light colour	White	45*
Required components:		XITX
		30° 15 ² 10° 30
	DS	90*92
LED	LUXEON 5050 Square LES	
FWHM / FWTM	Asymmetric	73 % 200 72
	Asymmetric 95 %	73
FWHM / FWTM Efficiency Peak intensity		
Efficiency	95 %	
Efficiency Peak intensity	95 % 0.5 cd/lm	
Efficiency Peak intensity LEDs/each optic	95 % 0.5 cd/lm 1	
Efficiency Peak intensity LEDs/each optic Light colour	95 % 0.5 cd/lm 1	50° 500 500 500 500 500 500 500 500 500
Efficiency Peak intensity LEDs/each optic Light colour	95 % 0.5 cd/lm 1	
Efficiency Peak intensity LEDs/each optic Light colour	95 % 0.5 cd/lm 1	
Efficiency Peak intensity LEDs/each optic Light colour Required components:	95 % 0.5 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour	95 % 0.5 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required components:	95 % 0.5 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required components:	95 % 0.5 cd/lm 1 White S LUXEON V2 Asymmetric	
Efficiency Peak intensity LEDs/each optic Light colour Required components:	95 % 0.5 cd/lm 1 White S LUXEON V2 Asymmetric 92 %	
Efficiency Peak intensity LEDs/each optic Light colour Required components:	95 % 0.5 cd/lm 1 White S LUXEON V2 Asymmetric	
Efficiency Peak intensity LEDs/each optic Light colour Required components: CONTINUES LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	95 % 0.5 cd/lm 1 White S LUXEON V2 Asymmetric 92 % 0.6 cd/lm 1	
Efficiency Peak intensity LEDs/each optic Light colour Required components:	95 % 0.5 cd/lm 1 White S LUXEON V2 Asymmetric 92 % 0.6 cd/lm	
Efficiency Peak intensity LEDs/each optic Light colour Required components: CONTINUES LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	95 % 0.5 cd/lm 1 White S LUXEON V2 Asymmetric 92 % 0.6 cd/lm 1	
Efficiency Peak intensity LEDs/each optic Light colour Required components:	95 % 0.5 cd/lm 1 White S LUXEON V2 Asymmetric 92 % 0.6 cd/lm 1	
Efficiency Peak intensity LEDs/each optic Light colour Required components:	95 % 0.5 cd/lm 1 White S LUXEON V2 Asymmetric 92 % 0.6 cd/lm 1	
Efficiency Peak intensity LEDs/each optic Light colour Required components: CONTINUES LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	95 % 0.5 cd/lm 1 White S LUXEON V2 Asymmetric 92 % 0.6 cd/lm 1	



ΜΝΙCΗΙΛ		
LED	NV4WB35AM	20°
FWHM / FWTM	Asymmetric	73%
Efficiency	94 %	
Peak intensity	94 /o 0.6 cd/lm	50*
LEDs/each optic	1	300
Light colour	ı White	400
Required components:	Wilde	451 500
Required components.		
		60
		700
		30* 15 ⁵ 66 ⁰ 15* 30*
Μ ΝΙCΗΙΛ		90* 90*
LED	NVSxE21A	a a a a a a a a a a a a a a a a a a a
FWHM / FWTM	Asymmetric	73%
Efficiency	92 %	XXXX
Peak intensity	0.7 cd/lm	50° 50°.
LEDs/each optic	1	400
Light colour	White	-5°
Required components:		
		00
		710
		20
		30* <u>15</u> 0° <u>15</u> 30*
ΜΝΙCΗΙΛ		
		90°
	NVSxE21A	50°
LED	NVSxE21A Asymmetric	50° 50° 78° 200 79°
LED FWHM / FWTM	NVSxE21A Asymmetric 94 %	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
LED FWHM / FWTM Efficiency	Asymmetric	50 50 60 60 60
LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 94 %	97 75 60 90 90 90 90 90 90 90 90 90 90 90 90 90
LED FWHM / FWTM Efficiency	Asymmetric 94 % 0.5 cd/lm	97 79 00 00 00 00 00 00 00 00 00 00 00 00 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.5 cd/lm 4	97 79 60 60 67 67 60 67 67
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.5 cd/lm 4	97 99 100 100 100 100 100 100 100
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.5 cd/lm 4	5° 6° 10° 10° 10° 10° 10° 10° 10° 10
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.5 cd/lm 4	97 99 100 100 100 100 100 100 100
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 94 % 0.5 cd/lm 4	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 94 % 0.5 cd/lm 4	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.5 cd/lm 4	97 90 90 90 90 90 90 90 90 90 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 94 % 0.5 cd/lm 4 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 94 % 0.5 cd/lm 4 White PrevaLED Brick HP IP 2x6	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM LED FWHM / FWTM	Asymmetric 94 % 0.5 cd/lm 4 White PrevaLED Brick HP IP 2x6 Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM LED FWHM / FWTM Efficiency	Asymmetric 94 % 0.5 cd/lm 4 White PrevaLED Brick HP IP 2x6 Asymmetric 93 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 94 % 0.5 cd/lm 4 White PrevaLED Brick HP IP 2x6 Asymmetric 93 % 0.5 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.5 cd/lm 4 White PrevaLED Brick HP IP 2x6 Asymmetric 93 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.5 cd/lm 4 White PrevaLED Brick HP IP 2x6 Asymmetric 93 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.5 cd/lm 4 White PrevaLED Brick HP IP 2x6 Asymmetric 93 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.5 cd/lm 4 White PrevaLED Brick HP IP 2x6 Asymmetric 93 % 0.5 cd/lm 1	



ſ		
OSRAM		
Opto Semiconductors	OSCONIQ P 3737 (2W version)	90* 90*
FWHM / FWTM		75° 75°
	Asymmetric 90 %	
Efficiency		60°
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	400
Light colour	White	45* 500 45*
Required components:		
		700
		30* 00 0° 10* 30*
OSRAM		
Opto Semiconductors		90* 90*
LED	OSCONIQ P 3737 (3W version)	
FWHM / FWTM	Asymmetric	
Efficiency	93 %	
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	$\times \times / \land \times \times$
Light colour	White	45* 400 45*
Required components:		500
		600
		200 200
		12 ⁰ 0 ⁰ 15 ⁰
OSRAM Opto Semiconductors		50°
Opto Semiconductors	OSCONIO P 3737 (3W version)	9°' 9°
Opto Semiconductors	OSCONIQ P 3737 (3W version) Asymmetric	90° 90° 90°
Opto Semiconductors LED FWHM / FWTM	Asymmetric	97 794 00 00 00 00 00 00 00 00 00 00 00 00 00
opto Semiconductors LED FWHM / FWTM Efficiency	Asymmetric 93 %	90° 70° 60°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 93 % 0.5 cd/lm	20°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 93 % 0.5 cd/lm 1	30
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.5 cd/lm	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 93 % 0.5 cd/lm 1	30
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.5 cd/lm 1	30
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.5 cd/lm 1	30
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.5 cd/lm 1	30
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.5 cd/lm 1	30
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDS/each optic Light colour Required components:	Asymmetric 93 % 0.5 cd/lm 1 White	30
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED	Asymmetric 93 % 0.5 cd/lm 1 White OSLON Square CSSRM2/CSSRM3	30
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM	Asymmetric 93 % 0.5 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 Asymmetric	30
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency	Asymmetric 93 % 0.5 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 Asymmetric 93 %	30
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 93 % 0.5 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 Asymmetric 93 % 0.5 cd/lm	30
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 93 % 0.5 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 Asymmetric 93 % 0.5 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.5 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 Asymmetric 93 % 0.5 cd/lm	30
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 93 % 0.5 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 Asymmetric 93 % 0.5 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.5 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 Asymmetric 93 % 0.5 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.5 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 Asymmetric 93 % 0.5 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.5 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 Asymmetric 93 % 0.5 cd/lm 1	



SAMSUN	IG	THAT Y Y H H T
		90. 90
LED	LH181B	75°
FWHM / FWTM	Asymmetric	
Efficiency	94 %	504 504 504
Peak intensity	0.7 cd/lm	
LEDs/each optic	1 White	
Light colour Required components:	White	6, 200 6,
Required components.		000
		700
		200
		30* 12 ⁵ 0 ⁶ 13 ⁵ 30*
SAMSUN	IG	90° 90'
LED	LH351B	Y
FWHM / FWTM	Asymmetric	730 000 775
Efficiency	93 %	
Peak intensity	0.5 cd/lm	60 ⁴ 60 ⁴
LEDs/each optic	1	300
Light colour	White	45* 400 45*
Required components:		
		X / m
		50° 700 30°
		153 00 154
SAMSUN	IG	90° 90'
LED	LH351D	- My
FWHM / FWTM	Asymmetric	75°
Efficiency	93 %	
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	***
Light colour	White	5° 400 5°
Required components:		
		500
		000
		30° 15° 0° 15° 30°
сллени		
SVWSUN		90* 90*
LED	LM302D	720 00 720
	Asymmetric	
FWHM / FWTM		
Efficiency	94 %	50° 60
Efficiency Peak intensity	94 % 0.6 cd/lm	61 ⁴ 60
Efficiency Peak intensity LEDs/each optic	94 % 0.6 cd/lm 1	30
Efficiency Peak intensity LEDs/each optic Light colour	94 % 0.6 cd/lm	
Efficiency Peak intensity LEDs/each optic	94 % 0.6 cd/lm 1	30
Efficiency Peak intensity LEDs/each optic Light colour	94 % 0.6 cd/lm 1	30
Efficiency Peak intensity LEDs/each optic Light colour	94 % 0.6 cd/lm 1	30



SEOUL		THAT
SEOUL SEMICONDUCTOR		90* 90
	Acrich MJT 4040	750 78
FWHM / FWTM	Asymmetric	Comments.
Efficiency	90 %	504
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	XXXX
Light colour	White	45* 500 45
Required components:		60
		700
		000
		30° 15° 30
SEOUL		
SEOUL SEMICONDUCTOR		90* 90
LED	Z5M1/Z5M2	
FWHM / FWTM	Asymmetric	The second
Efficiency	91 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	$X / T \land X$
Light colour	White	61 6
Required components:		60
		X X
		800
		30* 30
SEOUL		33 ² 4 ² 13 ²
SEOUL SEMICONDUCTOR		30* 90
LED	Z5M4	ay and a second s
FWHM / FWTM	Asymmetric	750 770
Efficiency	94 %	XX
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	45*
Required components:		
		200
		700
		30 00 36
SEOUL		23 ⁵ 0 ⁶ 15 ⁹
SEOUL SEMICONDUCTOR		
LED	Z8Y22T	
FWHM / FWTM	Asymmetric	
Efficiency	93 %	
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		



GENERAL INFORMATION:

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

MATERIALS:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

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